

SWP Water Quality Summary

March 8 to April 12, 2006

Total Dissolved Solids: Since early-March, TDS at Banks Pumping Plant (BPP), Checks 29, 41 and Devil Canyon decreased but TDS at Barker Slough and Vallecitos increased slightly. On April 12, 2006 TDS was: (110 mg/l) at BPP, (126 mg/l) at Check 29, (148 mg/l) at Check 41, (157 mg) at Devil Canyon, (122 mg/l) at Barker Slough, and (196 mg/l) at Vallecitos. TDS at all locations remained below Article 19 Monthly Average Objective of 440 mg/l. As of April 12, TDS increased at Barker Slough from 79 to 122 mg/l. At BPP, TDS declined from 158 to 110 mg/l reflecting the recent rainfall and subsequent dilution of TDS in the Delta.

Bromide: Concentrations at BPP, Checks 29, 41 and Devil Canyon decreased from 0.09 to 0.05 mg/l, 0.12 to 0.06 mg/l, 0.11 to 0.07 mg/l and 0.12 to 0.09 mg/l, respectively. All the sites exceeded the CBDA Objective of 0.05 mg/l except for recent values at BPP and Barker Slough. At the end of the reporting period (4/12/06), the highest concentrations of bromide were 0.13 mg/l at Vallecitos and 0.09 mg/l at Devil Canyon.

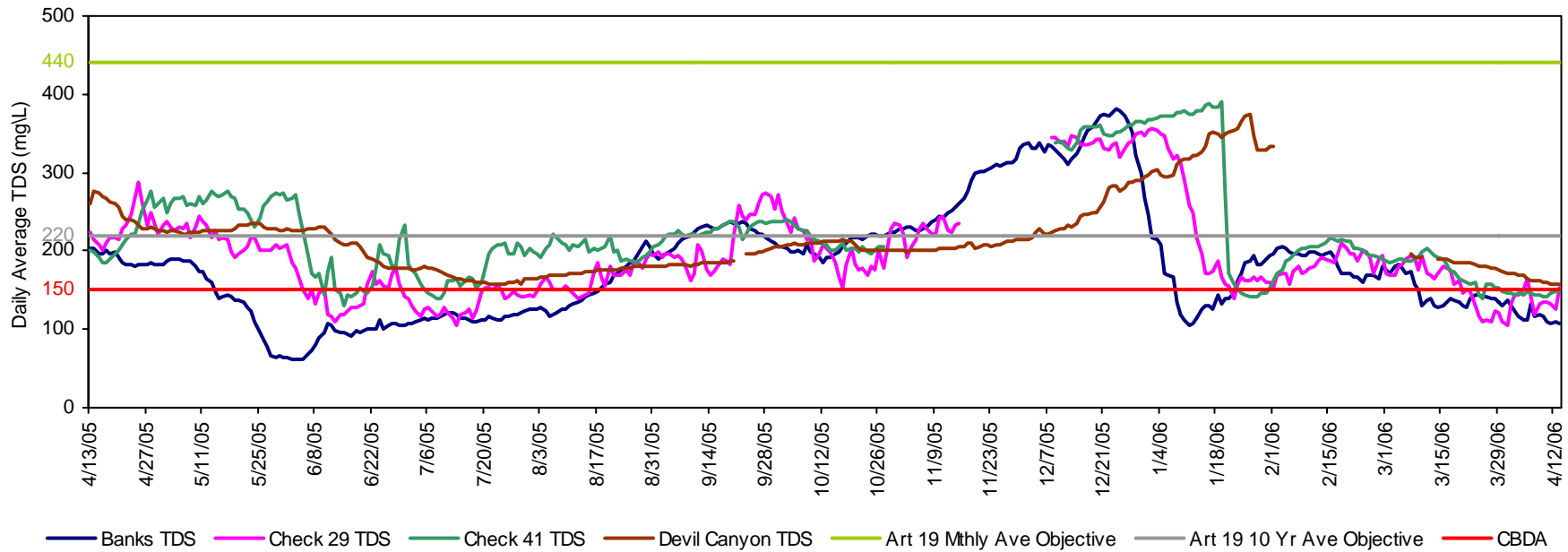
Turbidity: Turbidity increased only at BPP, probably as a result of recent storms. These storms however, did not appear to affect turbidity at the other stations. Turbidities ranged from 2 NTUs at Devil Canyon to 42 NTUs at Barker Slough. The greatest increase of 138 NTU occurred at Barker Slough on March 8, 2006.

Dissolved Organic Carbon: Concentrations have remained above the CALFED TOC Objective of 3.0 mg/l since January 1, 2006 at BPP, Check 13. DOC at BPP increased from 3.1 to 4.7 mg/l while Check 13 decreased from 3.4 to 3.1 mg/l on April 12, 2006. Concentrations at Edmonston decreased to 2.7 mg/l. These concentrations are within the normal range for Delta water at this time of the year.

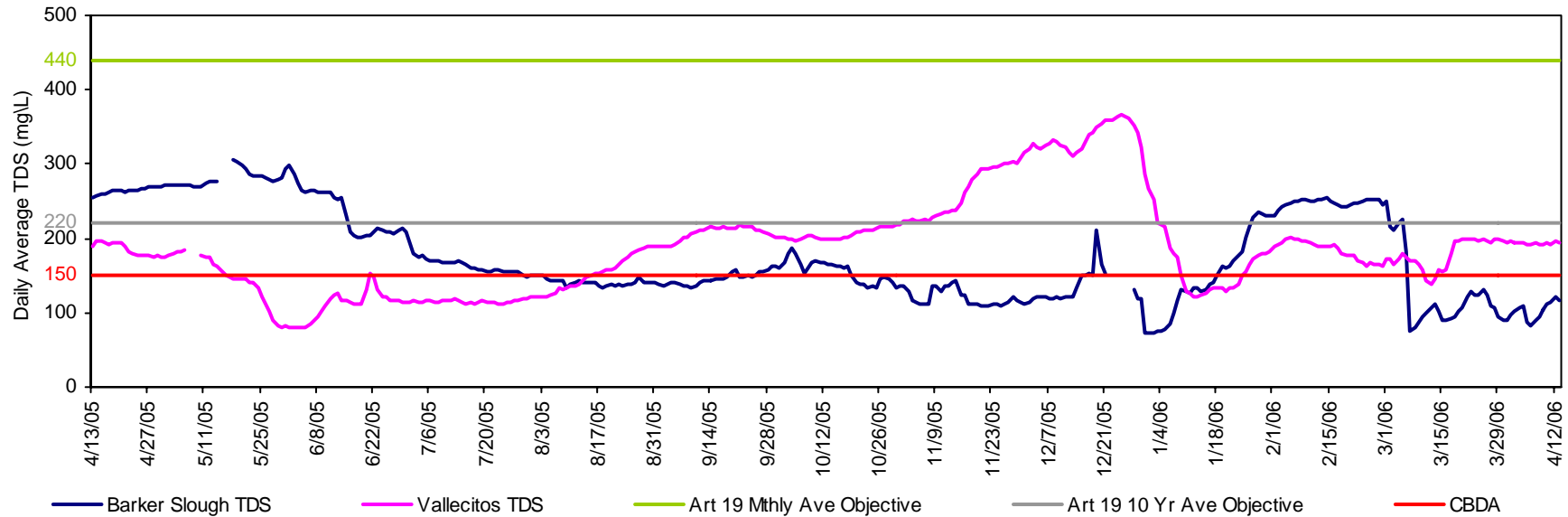
Taste and Odor Compounds: MIB and geosmin remained low project-wide since December 2005. Current 2006 MIB and geosmin levels were below detection at San Luis Reservoir intake, Pacheco Pumping Plant, Del Valle Check 7, and BPP. Geosmin was 2 ng/l at Clifton Court inlet and O'Neill ForeBay Outlet.

Ground Water Pump-in: None.

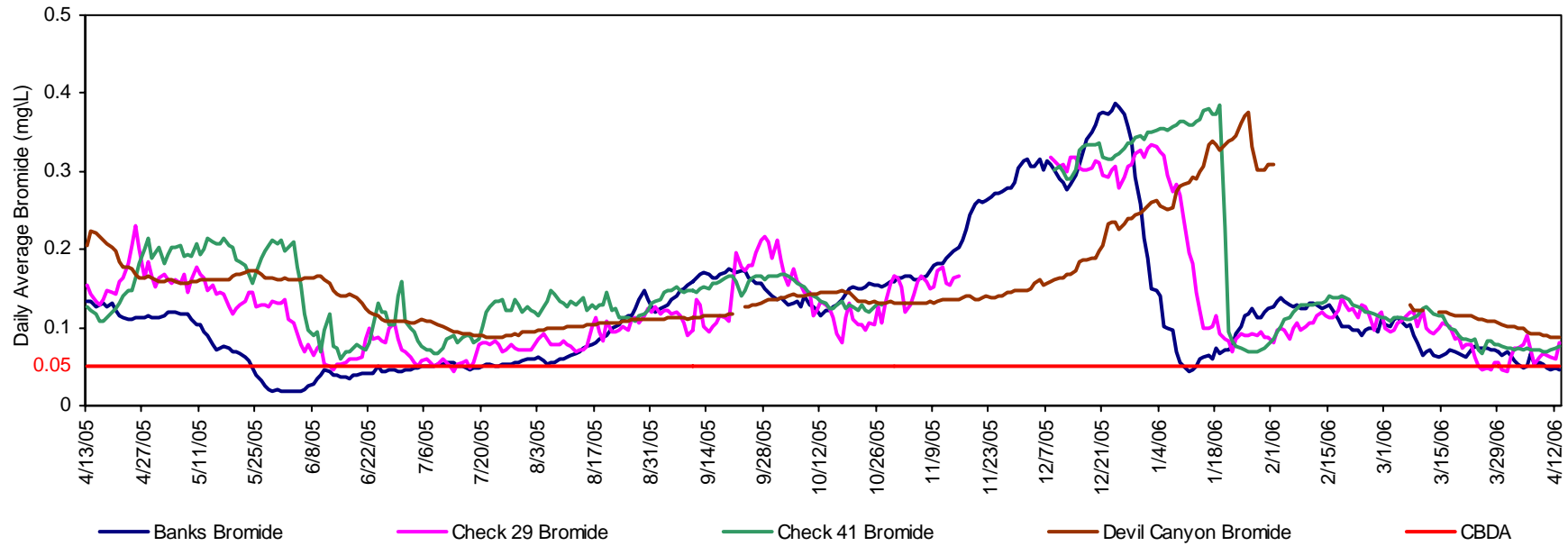
California Aqueduct - Calculated Total Dissolved Solids



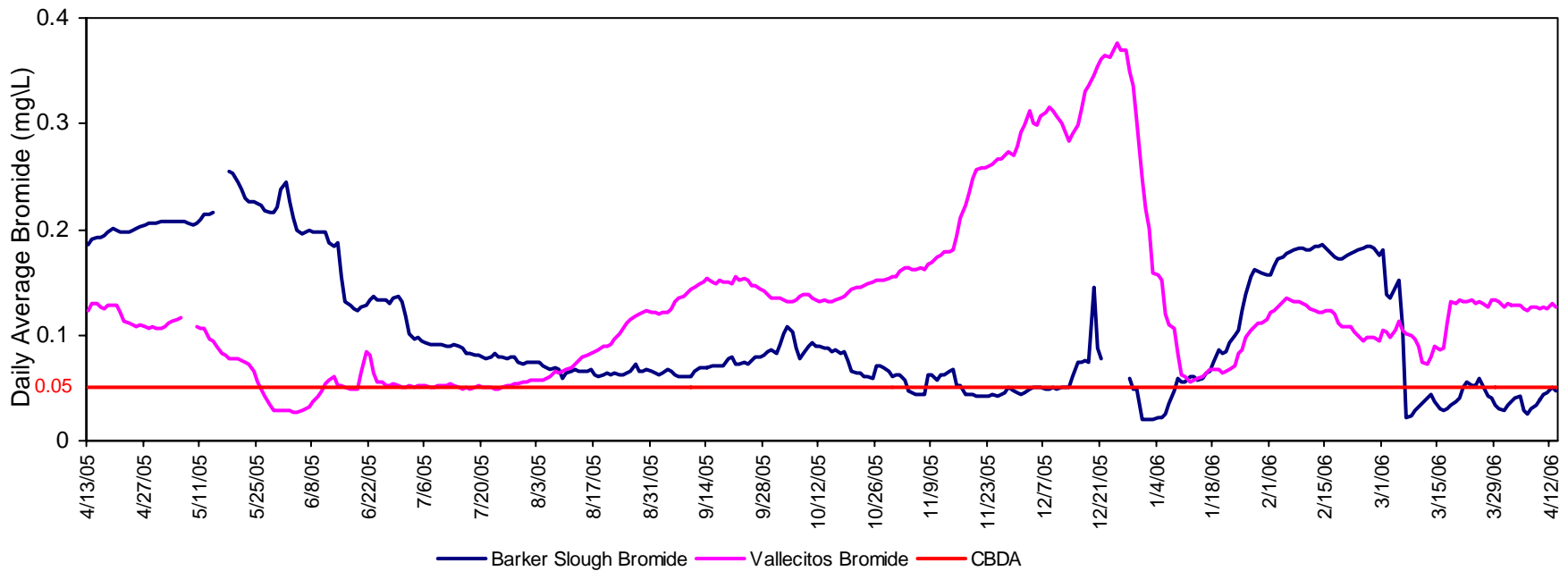
North and South Bay Aqueduct - Calculated Total Dissolved Solids



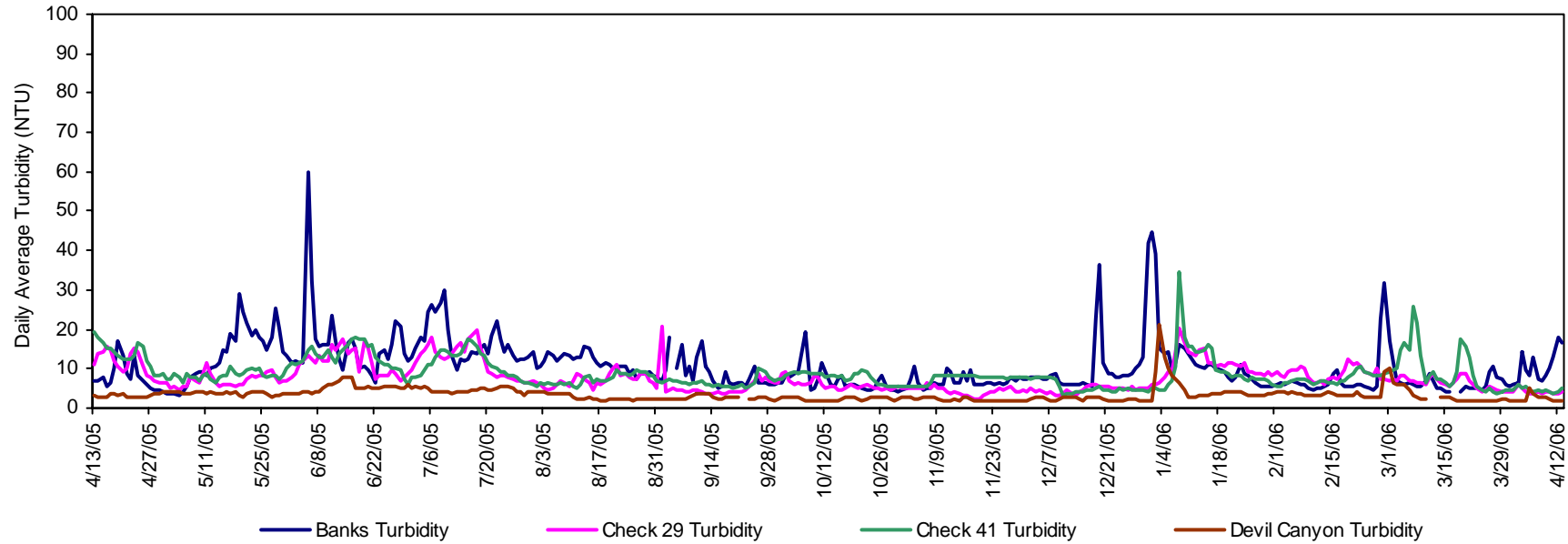
California Aqueduct - Calculated Bromide



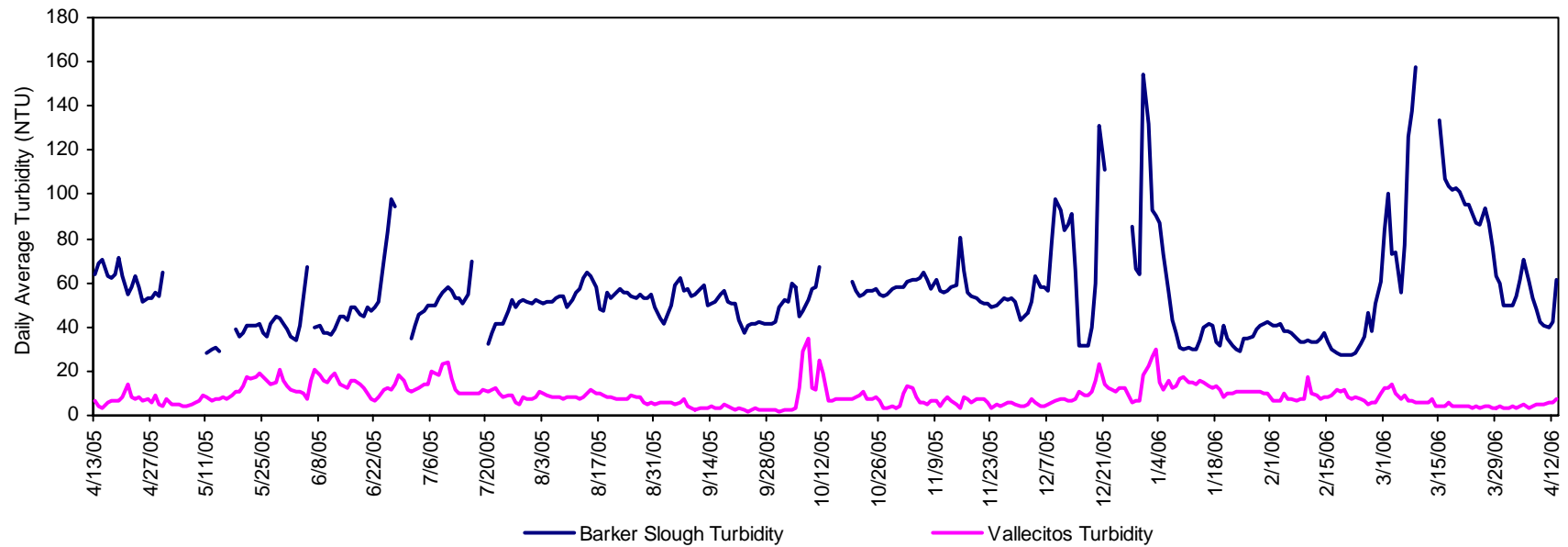
North and South Bay Aqueduct - Calculated Bromide



California Aqueduct - Turbidity



North and South Bay Aqueduct - Turbidity



California Aqueduct Calculated Dissolved Organic Carbon

